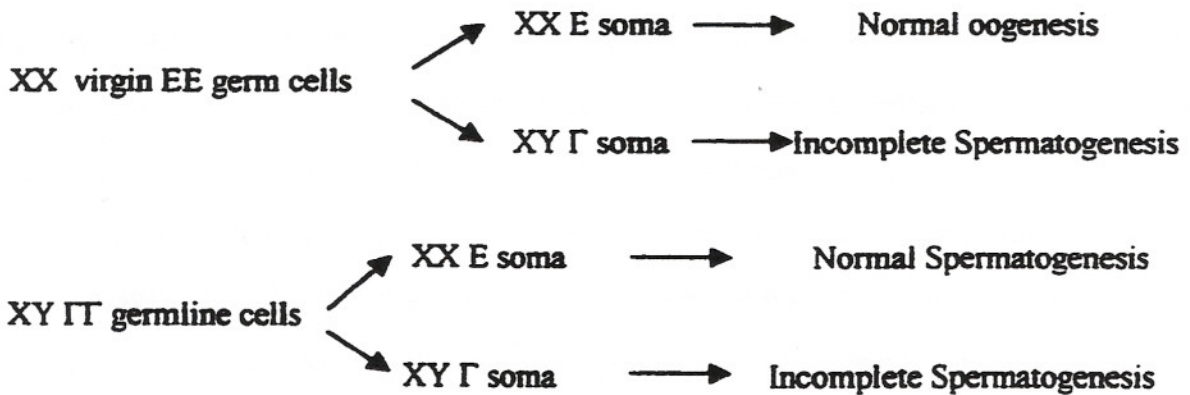
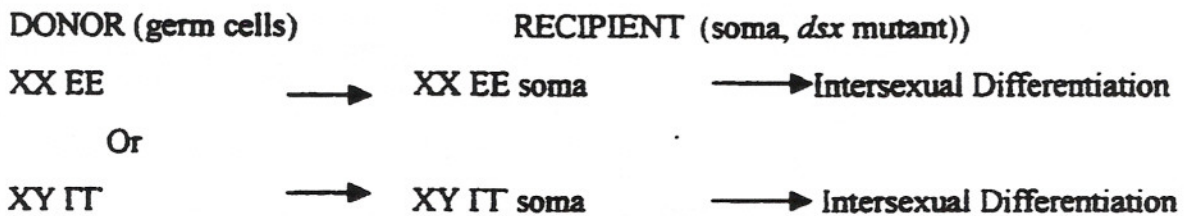


A) Effects of Matching and Unmatching Germline and Soma on Germline Sex Differentiation



(B) Effect of Mutation in Somatic Sex Determination Genes on Germline Sex Differentiation

I) *dsx* mutation



II) *tra* mutant

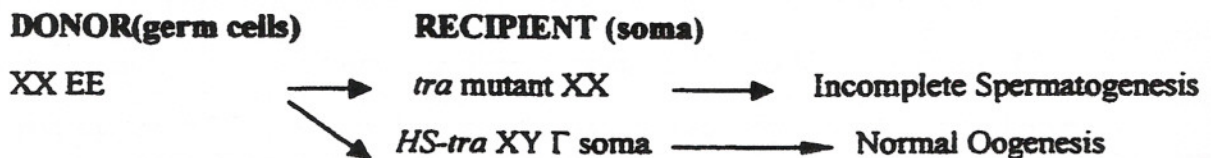


Figure 1.2. Somatic-Germline Interactions. (A) Pole cell transplantation assays with two germline genotypic classes produced four phenotypic classes in germline sex differentiation. (B) On the other hand, having somatic germline mutant gene, responsible for somatic sex differentiation, also showed an effect on germline sex differentiation. It is concluded that, somatic clues that are send to germline are required for a proper germline sex development.